

Case 270 : Narrative

Case Vehicle (A): 1999 Ford	Vehicle (B): 1999 Chevrolet	Vehicle (C) : 1990 Chrysler
Type: Escort ZX2, 2-door coupe	Type: Suburban, 4x2	Type: New Yorker Fifth Avenue, 4-door sedan
Driver: 63-year-old male	Driver: 37-year-old female	Driver: 54-year-old female
CDC: 12-FYEW-2, 09-LBEW-4	CDC: 99-0000-0	CDC: 99-0000-0

SITUATION

[1](#) [2](#) On a cloudy day, case vehicle (A) was traveling east at an unknown speed in the eastbound lane of a two-lane asphalt road. The roads were dry, and the speed limit was 35 mph (56 kph). Vehicle (C) was traveling east behind case vehicle (A) at an unknown speed. Vehicle (B) was traveling west at an unknown speed in the westbound lane of the same two-lane roadway. [3](#) As Case vehicle (A) and vehicle (B) approached an intersecting north/south road from opposite directions, the driver of case vehicle (A) did not see vehicle (B) and began crossing the westbound lane to make a left turn to travel north on the intersecting road. The driver of vehicle (B) was unable to avoid case vehicle (A) as it proceeded across the westbound lane, and the left front of vehicle (B) struck the left front of case vehicle (A). [4](#) After the impact, case vehicle (A) rotated counterclockwise, and the driver of vehicle (C) was unable to avoid striking the rear left side of case vehicle (A) with its front. Case vehicle (A) was towed from the scene and both unbelted occupants were transported to a local hospital with police-reported "B" injuries. Vehicle (B) was towed from the scene and the driver reportedly had police-reported "C" injuries, but did not seek treatment. Vehicle (C) was driven from the scene and the driver reportedly had police-reported "C" injuries, but did not seek treatment.

GENERAL VEHICLE DAMAGE AND ESTIMATED CRASH SEVERITIES

[5](#) [6](#) [7](#) The direct damage to case vehicle (A) from the frontal impact began at the left-front bumper corner and extended 65 cm across the front, resulting in 48-percent vehicle overlap. The maximum crush was 40 cm to the left-front bumper corner. [8](#) [9](#) Damage from the second impact began 42-cm behind the left-rear axle and extended 44-cm rearward to the left-rear bumper corner. The maximum crush was 59 cm just forward of the left-rear bumper corner.

[10](#) [11](#) [12](#) [13](#) [14](#) [15](#) [16](#) [17](#) [18](#) [19](#) Using the WinSMASH accident-reconstruction program and c-values measured for case vehicle (A), the following impact severities were calculated for both impacts:

		Calculated Velocity Change - kph (mph)		
Vehicle	Variable	Total	Longitudinal	Latitudinal
Case Vehicle (A) frontal	delta V	26 (16)	-25 (-16)	-5 (-3)

		Calculated Velocity Change - kph (mph)		
Vehicle	Variable	Total	Longitudinal	Latitudinal
Case Vehicle (A) left side	delta V	23 (15)	0 (0)	23 (15)

DESCRIPTION OF DAMAGE TO CASE VEHICLE (A)

Exterior

[20](#) The frontal impact crushed the front bumper, damaged the left-headlight assembly, and damaged the left portion of the grille area. [21](#) The right headlight assembly was displaced but not broken. [22](#) The hood was crushed and pushed up and to the rear, the damaged

hood latch had released, and the rear edge of the hood was elevated, but it did not contact the windshield. There was no damage to the hood hinges. [23](#) [24](#) The frontal impact also crushed the left-front fender and left-front wheel, and the left wheelbase was decreased by 7 cm. [25](#) There was no damage to the upper or lower portions of the right A- or B-pillars, the left-side door was undamaged and operable, and the left-side windows were not broken.

[26](#) [27](#) [28](#) The left-side impact crushed the rear quarter panel and the left portion of the trunk. The left taillight assembly was broken, and the rear bumper was damaged. [29](#) The upper portion of the C-pillar was slightly buckled and the glass in the rear window was broken.

[30](#) On the right side, the fender was slightly deformed and the right-turn indicator light was broken. [31](#) There was no damage to the upper or lower portions of the right A-, B-, or C-pillars, and the side windows were not broken. Also, the right door was undamaged and operable. [32](#) The right quarter panel was slightly buckled due to the severe damage to the left side. There was no other damage to the right side of case vehicle (A) and no change in the right wheelbase.

Interior

[33](#) This vehicle is equipped with steering-wheel and passenger frontal-impact airbags, which deployed during the frontal impact. [34](#) There were no visible marks on the steering-wheel airbag skin. [35](#) [36](#) There were bloodstains and facial makeup on the upper-right portion of the passenger airbag skin, due to contact by the right-front passenger. [37](#) [38](#) There was no damage to the steering wheel and no rotation of the steering column. [39](#) The upper portion of the windshield on the driver's side was cracked and there was hair grease near the cracks. [40](#) On the right side of the windshield, the passenger airbag cover contacted and cracked the glass. [41](#) [59](#) There was a scuff mark on the driver sunvisor, the left roof siderail plastic was cracked, and there was hair stuck in the cracks. [42](#) There was no other damage to the left side of the roof area. [43](#) [44](#) There was no damage to the center or right portions of the roof area. [45](#) [46](#) [47](#) [48](#) [49](#) There was no damage to the upper

or mid portions of the instrument panel, knee bolster, center dash area, or glove compartment, but there were scuff marks on all components. [50](#) There were scuff marks on the forward portion of the driver door and the door interior panel was cracked. There was no other interior damage and no intrusions were noted.

OCCUPANT KINEMATICS AND INJURIES

[51](#) The 63-year-old male driver was **not** wearing the three-point belt and the steering-wheel airbag deployed. [52](#) [53](#) There was no physical evidence on the D-ring or seatbelt assembly to indicate belt use during this crash.

During the frontal impact, the driver moved forward relative to the vehicle interior. [54](#) [55](#) [56](#) [57](#) He sustained an abrasion above the left eye, multiple abrasions to the left side of the forehead, and he lost consciousness, probably from head contact with the windshield and the sunvisor, as indicated by scuff marks to the sunvisor, cracks in the windshield, and hair grease near the cracks. [58](#) [59](#) [60](#) The driver's head also contacted the roof siderail during the left-side impact, as indicated by the rail being cracked and several hairs in the crack. He sustained abrasions to the anterior portion of the left forearm, probably from contact by the deploying airbag. [61](#) [62](#) His knees may have contacted the knee bolster, as indicated by scuff marks, and his left knee may have contacted the forward portion of the driver door, as indicated by damage and scuff marks to the door panel.

[63](#) The 63-year-old female right-front passenger was **not** wearing the three-point belt and the airbag deployed. [64](#) [65](#) There was no physical evidence on the D-ring or seatbelt assembly to indicate belt use during this crash.

[66](#) During the frontal impact, the right-front passenger moved forward into the deploying airbag. [67](#) She sustained multiple abrasions to the forehead and she lost consciousness, probably due to face and head contact by the deploying airbag, as indicated by makeup on the airbag. She sustained multiple abrasions to the upper extremities from contact with

unknown interior surfaces. [68](#) [69](#) [70](#) In addition, she sustained multiple abrasions to the lower extremities, probably due to contact with the glove box and surrounding areas.

The following table [71](#) [72](#) and attached drawings summarize the injuries for the occupants.

Occupant: Driver	Age: 63 years		Gender: Male	
Restraints: 3-point belt <i>not</i> worn; airbag deployed	Stature: unknown		Mass: unknown	
Injury Description	A.I.S.	Injury Source		
—	—	Definite	Probable	Possible
Loss of consciousness	2	—	Windshield, sunvisor,roof siderail	—
Abrasion, above left eye	1	—	Windshield, sunvisor, roof siderail	—
Multiple abrasions, left side of forehead	1	—	Windshield, sunvisor,roof siderail	—
Abrasions, left anterior forearm	1	—	Airbag	—
Maximum A.I.S. Level	2	—	—	—
Injury Severity Score	5	—	—	—

Occupant: Right front	Age: 63 years	Gender: Female		
Restraints: 3-point belt <i>not</i> worn; airbag deployed	Stature: unknown	Mass: unknown		
Injury Description	A.I.S.	Injury Source		
—	—	Definite	Probable	Possible
Loss of consciousness	2	—	Airbag	—
Multiple abrasions, forehead	1	—	Airbag	—
Multiple abrasions, upper extremities	1	—	Unknown interior surfaces	—
Multiple abrasions, lower extremities	1	—	Glove box and surrounding area	—
Maximum A.I.S. Level	2	—	—	—
Injury Severity Score	5	—	—	—

CASE NO.: 270-01

CASE VEHICLE: 1999 Ford

TYPE: Escort ZX2, 2-door coupe

OCCUPANT: (Driver) 63-year-old male

STATURE: Unknown MASS: Unknown

RESTRAINTS: 3-point belt not worn; airbag deployed

SEVERITY: MAIS - 2 ISS - 5

Loss of consciousness
(2)

Multiple abrasions, left
side of forehead
(1)

Abrasion, above left eye
(1)

Abrasions, left
anterior forearm
(1)



CASE NO.: 270-01

CASE VEHICLE: 1999 Ford

TYPE: Escort ZX2, 2-door coupe

OCCUPANT: (Right front) 63-year-old female

STATURE: Unknown MASS: Unknown

RESTRAINTS: 3-point belt not worn; airbag deployed

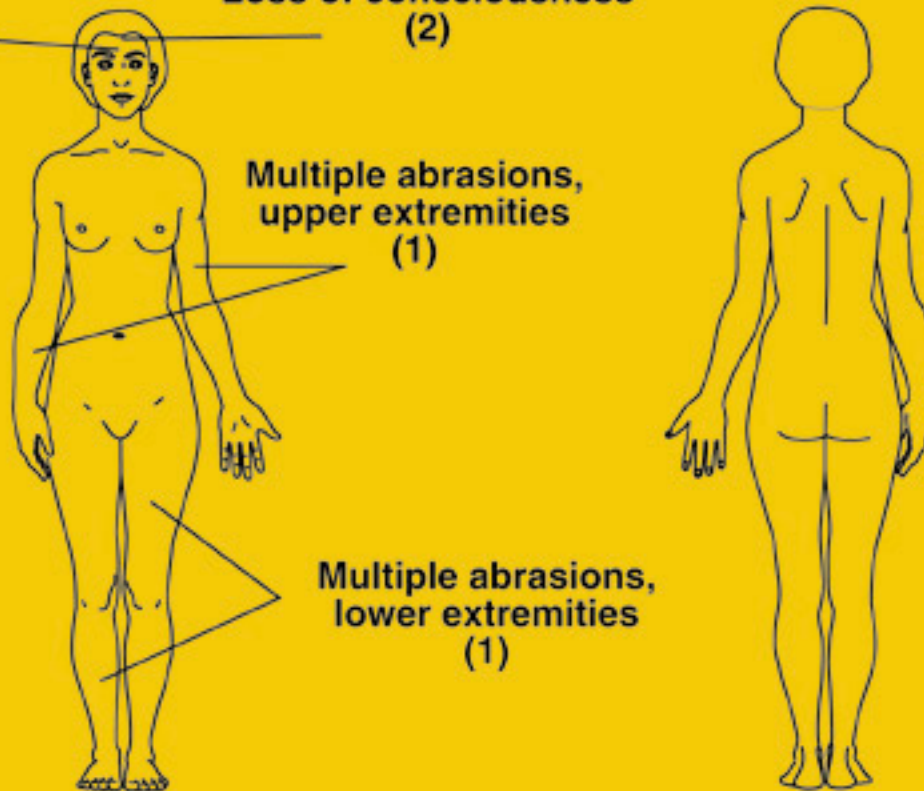
SEVERITY: MAIS - 2 ISS - 5

Multiple abrasions, forehead
(1)

Loss of consciousness
(2)

Multiple abrasions,
upper extremities
(1)

Multiple abrasions,
lower extremities
(1)



Case No.: 270-01

Case Veh. (A): 1999 Ford

Type: **Escort ZX2**, 2-door coupe

Driver: 63-year-old male

Vehicle (B): 1999 Chevrolet Suburban, 4x2

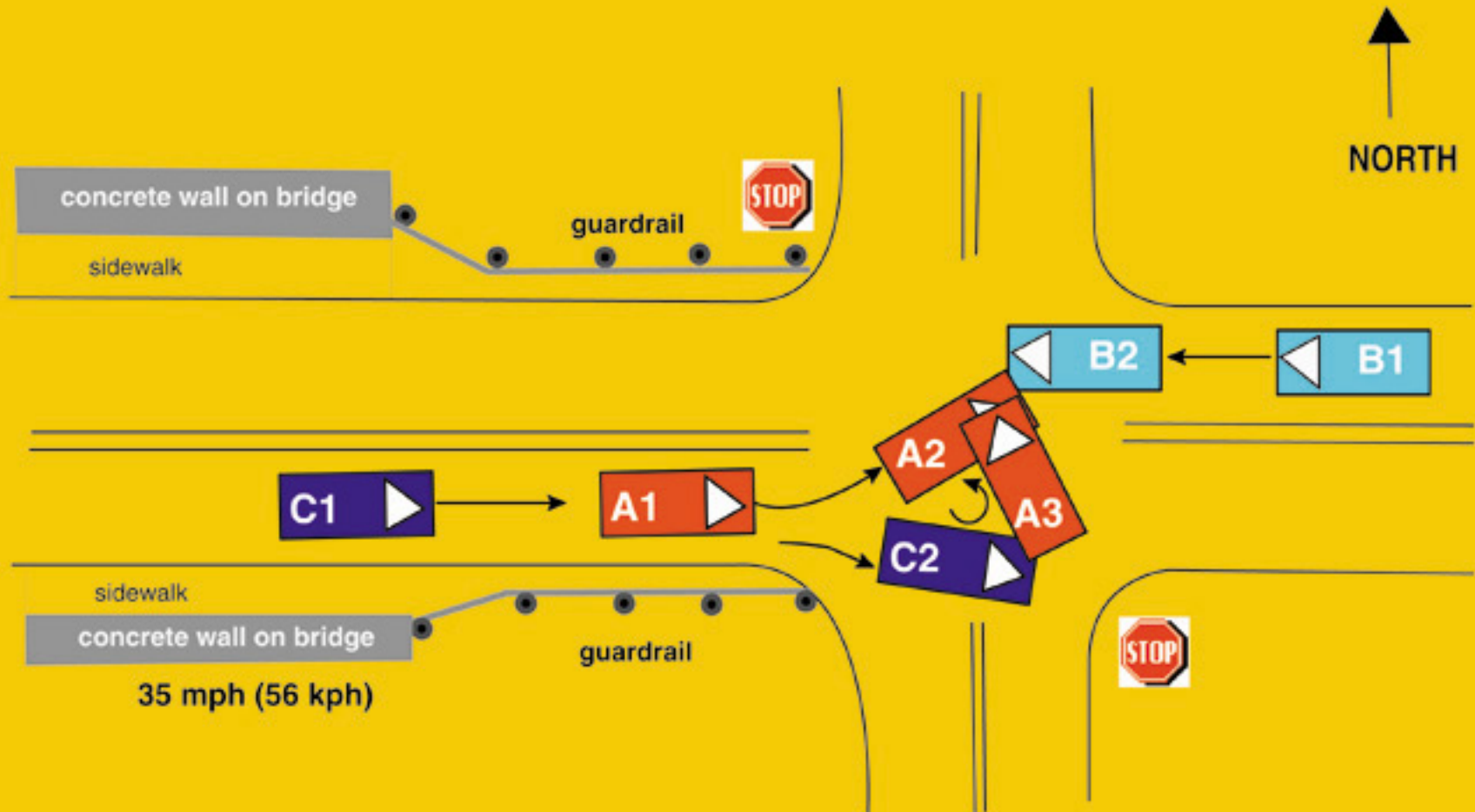
Vehicle (C): 1990 Chrysler New Yorker, 4-door sedan

Weather: **Clear**

Road Surface: **Dry**

Road Construction: **Asphalt**

Light Condition: **Daylight**



Vehicle Report

General

Conditions

Variable Number and Name	Code Value	Code Description	Other Options
V206 — Urban/Rural Area	1	Urban	more
V207 — Limited Access Highway	0	No	more
V208 — Road Total Lanes	2	2 lanes	more
V209 — Intersecting Road Total Lanes	2	2 lanes	more
V210 — Road Surface Type	1	Asphalt	more
V211 — Road Defects	0	No	more
V212 — Construction Zone	0	No	more
V213 — Road Alignment Vertical Plane	1	Level	more
V214 — Road Alignment Horizontal Plane	1	Straight	more
V215 — Surface Covering	10	Dry	more
V216 — Visibility Limitation	0	None	more
V217 — Visibility Obstruction	0	None	more
V218 — Speed Limit	2	56-60 km/h .. 35 mph	more
V219 — Precipitation Type	0	None	more
V220 — Precipitation Rate	8	Not applicable	more
V221 — Temperature	9	Unknown	more
V222 — Crosswind	9	Unknown	more
V223 — Light Conditions	1	Daylight	more
V224 — Mechanical Malfunction Mention	0	No	more
V225 — Case Vehicle and Object	0	No	more
V226 — Case Vehicle Rollover	0	No	more

V227 — Case Vehicle Ran Off Roadway	0	No	more
V228 — Moving Case Vehicle/Contacted Moving Vehicle	1	Yes	more
V229 — Case Vehicle/Contacted Stopped Vehicle	0	No	more
V230 — Stopped Case Vehicle/Contactd Vehicle	0	No	more
V231 — Total Vehicles Hit By Case Vehicle	2	2 vehicles	more
V232 — Any Fire in Crash	0	No	more
V233 — Max Police Severity-PAR	2	B - Non-Incapacitating Injury	more
V234 — Driver Alcohol Involvement	0	Had not been drinking	more
V235 — Driver Alcohol BAC	80	Not tested	more
V236 — Driver Impairment Mention	0	No	more
V237 — Driven/Towed From Scene	2	Towed Due to Damage	more

Other Vehicle

Variable Number and Name	Code Value	Code Description	Other Options
V301 — Other Vehicle VIN	1GNDU06E4XD2	—	—
V302 — Other Vehicle Manufacturer/Body Code	11315	—	—
V303 — Other Vehicle Manufacturer	113	Chevrolet	more
V304 — Other Vehicle Body Code	15	Long wheelbase utility vehicle (Carryall, Suburban)	more
V305 — Other Vehicle Make/Model	2907	Suburban Carryall 3/4 ton	more
V306 — Other Vehicle Model Year	1999	—	—
V307 — Other Vehicle Mass	002489 kg	—	—
V308 — Other Vehicle Number	0	No separate report	more
V309 — Other Vehicle Number of Occupants	03	—	—
V310 — Other Vehicle Traveling Speed	999	Unknown	more
V311 — Highest Police Injury Severity	1	C - Possible Injury	more
V312 — Other Vehicle Type	15	Large utility (wheelbase >107", e.g. Suburban)	more
V313 — Other Vehicle Wheelbase (cm)	334 cm	—	—
V314 — Average Track Width	161 cm	—	—
V315 — Overall Length	558 cm	—	—
V316 — Overall Width (OAW)	195 cm	—	—
V317 — Front Overhang (FOH)	093 cm	—	—
V318 — Rear Overhang (ROH)	134 cm	—	—
V319 — Undeformed End Width (UEW)	999	Unknown	more
V320 — Engine Displacement	3.4 l	—	—
V321 — Engine: Number of Cylinders	06	—	—
V322 — Direct Damage Length (DDL)	999	Unknown	more
V323 — Front-End Overlap % (FEO)	99	Missing or Not applicable	more
V324 — Vehicle Overlap % (VOL)	99	Missing or Not applicable	more

Case Vehicle

General

Variable Number and Name	Code Value	Code Description	Other Options
V401 — VIN	3FAKP1133XR1	—	—
V402 — Manufacturer/Body Code	94226	—	—
V403 — Vehicle Manufacturer	942	Ford/Mercury (Mexico)	more
V404 — Vehicle Body Code	26	—	—
V405 — Make/Model Code	0219	Escort	more
V406 — Model Year	1999	—	—
V407 — Vehicle Mass	001126 kg	—	—
V408 — Odometer Reading	024730 miles	—	—
V409 — Number of Occupants	02	—	—
V410 — Traveling Speed	999	Unknown	more
V411 — Body Type	12	2-door sedan or coupe (any upper B-pillar)	more
V412 — Stolen Vehicle	8	Not currently collected	more
V413 — Body Structure	2	Unitized	more
V414 — Transmission Type	1	Automatic	more
V415 — Transmission Lever Location	2	Console	more
V416 — Steering	1	Power	more
V417 — Brakes	1	Power	more
V418 — Brake Type	2	Disc - front wheels	more
V419 — Brake Anti-lock Device	2	Four-wheel	more
V420 — Air Conditioning in Vehicle	8	Not currently collected	more
V421 — Drive Type	2	Front wheel	more
V422 — Dual Rear Wheels	0	No	more

V423 — Original Restraint System Type	3	Airbag	more
V424 — Equipped With Roll Bar	0	No	more
V425 — Roof Type	1	Solid	more
V426 — Wheelbase	250 cm	—	—
V427 — Anti-lacerative Glass	0	None	more
V428 — Average Track Width	144 cm	—	—
V429 — Overall Length	445 cm	—	—
V430 — Overall Width (OAW)	171 cm	—	—
V431 — Front Overhang	097 cm	—	—
V432 — Rear Overhang	099 cm	—	—
V433 — Undeformed End Width (UEW)	138 cm	—	—
V434 — Engine Displacement	2.0 l	—	—
V435 — Engine: Number of Cylinders	04	—	—
V436 — Direct Damage Length (DDL)	065 cm	—	—
V437 — Front End Overlap % (FEO)	47	—	—
V438 — Vehicle Overlap % (VOL)	48	—	—

Case Vehicle

Damage

Description

Variable Number and Name	Code Value	Code Description	Other Options
V501 — Maximum Crush - Front	040 cm	—	—
V502 — Maximum Crush - Right Side	000 cm	No crush (or less than 1 cm.)	more
V503 — Maximum Crush - Rear	000 cm	No crush (or less than 1 cm.)	more
V504 — Maximum Crush - Left Side	059 cm	—	—
V505 — Maximum Crush - Roof	000 cm	No crush (or less than 1 cm.)	more
V506 — Maximum Crush - Other	000 cm	No crush (or less than 1 cm.)	more
V507 — Are Events In Chronological Order	1	Yes	more
V508 — Event 1 Impact Location	1	On Roadway	more
V509 — Event 1 Impact Configuration	11	FRONT of case veh - FRONT of contacted Vehicle	more
V510 — Event 1 Object/Vehicle Contacted	15	Large utility (wheelbase >107", e.g. Suburban)	more
V511 — Event 2 Impact Location	1	—	—
V512 — Event 2 Impact Configuration	22	LEFT of case veh - FRONT of contacted veh (type L)	more
V513 — Event 2 Object/Vehicle Contacted	28	Intermediate 105-109.9 in. wb.	more
V514 — Event 3 Impact Location	8	No 3rd event	more
V515 — Event 3 Impact Configuration	88	No 3rd event	more
V516 — Event 3 Object/Vehicle Contacted	00	No object/vehicle contacted	more
V517 — Event 4 Impact Location	8	No 4th event	more
V518 — Event 4 Impact Configuration	88	No 4th event	more
V519 — Event 4 Object/Vehicle Contacted	00	No object/vehicle contacted	more
V520 — Event 5 Impact Location	8	No 5th event	more
V521 — Event 5 Impact Configuration	88	No 5th event	more

V522 — Event 5 Object/Vehicle Contacted	00	No object/vehicle contacted	more
V523 — Event 6 Impact Location	8	No 6th event	more
V524 — Event 6 Impact Configuration	88	No 6th event	more
V525 — Event 6 Object/Vehicle Contacted	00	No object/vehicle contacted	more
V526 — Event 7 Impact On Road	8	No 7th event	more
V527 — Event 7 Impact Configuration	88	No 7th event	more
V528 — Event 7 Object/Vehicle Contacted	00	No object/vehicle contacted	more
V529 — Primary CDC Case Vehicle -event Number	1	Event 1	more
V530 — Primary CDC Case Vehicle - impact speed	999	Unknown	more
V531 — Primary CDC Case Vehicle - Estimated By	1	Investigator	more
V532 — Primary CDC Case Vehicle -crush	040	—	—
V533 — Primary CDC Case Vehicle -clock #1	12	12 o'clock	more
V534 — Primary CDC Case Vehicle letter 1 #1	06	F - Front	more
V535 — Primary CDC Case Vehicle letter 2 #1	25	Y - Side or end (F + P or L + C)	more
V536 — Primary CDC Case Vehicle letter 3 #1	05	E - Everything below belt line	more
V537 — Primary CDC Case Vehicle letter 4 #1	23	W - Wide impact area	more
V538 — Primary CDC Case Vehicle Extent #1	02	Extent 2	more
V539 — Primary CDC Case Vehicle -CDC #1	12FYEW 2	—	—
V541 — Primary CDC Case Vehicle letter 1 #2	00	Missing Data/Not applicable	more
V542 — Primary CDC Case Vehicle letter 2 #2	00	Missing Data/Not applicable	more
V543 — Primary CDC Case Vehicle letter 3 #2	00	Missing Data/Not applicable	more
V544 — Primary CDC Case Vehicle letter 4 #2	00	Missing Data/Not applicable	more
V545 — Primary CDC Case Vehicle Extent #2	00	Missing Data/Not applicable	more
V546 — Primary CDC Case Vehicle -CDC #2	9800000	—	—
V547 — Primary CDC Contacted Vehicle - Impact Speed	999	Unknown	more
V548 — Primary CDC Contacted Vehicle - Estimated By	1	Investigator	more
V549 — Primary CDC Contacted Vehicle -crush	999	Unknown	more

V550 — Primary CDC Contacted Vehicle -clock #1	99	Unknown or no damage	more
V551 — Primary CDC Contacted Vehicle letter 1 #1	00	Missing Data/Not applicable	more
V552 — Primary CDC Contacted Vehicle letter 2 #1	00	Missing Data/Not applicable	more
V553 — Primary CDC Contacted Vehicle letter 3 #1	00	Missing Data/Not applicable	more
V554 — Primary CDC Contacted Vehicle letter 4 #1	00	Missing Data/Not applicable	more
V555 — Primary CDC Contacted Vehicle Extent #1	00	Missing Data/Not applicable	more
V556 — Primary CDC Contacted Vehicle -CDC #1	9900000	—	—
V558 — Primary CDC Contacted Vehicle letter 1 #2	00	Missing Data/Not applicable	more
V559 — Primary CDC Contacted Vehicle letter 2 #2	00	Missing Data/Not applicable	more
V560 — Primary CDC Contacted Vehicle letter 3 #2	00	Missing Data/Not applicable	more
V561 — Primary CDC Contacted Vehicle letter 4 #2	00	Missing Data/Not applicable	more
V562 — Primary CDC Contacted Vehicle Extent #2	00	Missing Data/Not applicable	more
V563 — Primary CDC Contacted Vehicle -CDC #2	9900000	—	—
V564 — Secondary CDC Case Vehicle - Event No	2	Event 1	more
V565 — Secondary CDC Case Vehicle - Impact Speed	999	Unknown	more
V566 — Secondary CDC Case Vehicle - Estimated By	1	—	—
V567 — Secondary CDC Case Vehicle -crush	059	—	—
V568 — Secondary CDC Case Vehicle -clock #1	09	9 o'clock	more
V569 — Secondary CDC Case Vehicle letter 1 #1	12	L - Left Side	more
V570 — Secondary CDC Case Vehicle letter 2 #1	02	B - Side Rear (Left or Right)	more
V571 — Secondary CDC Case Vehicle letter 3 #1	05	E - Everything below belt line	more
V572 — Secondary CDC Case Vehicle letter 4 #1	23	W - Wide impact area	more
V573 — Secondary CDC Case Vehicle Extent #1	04	Extent 4	more
V574 — Secondary CDC Case Vehicle -CDC #1	09LBEW 4	—	—
V576 — Secondary CDC Case Vehicle letter 1 #2	00	Missing Data/Not applicable	more
V577 — Secondary CDC Case Vehicle letter 2 #2	00	Missing Data/Not applicable	more
V578 — Secondary CDC Case Vehicle letter 3 #2	00	Missing Data/Not applicable	more

V579 — Secondary CDC Case Vehicle letter 4 #2	00	Missing Data/Not applicable	more
V580 — Secondary CDC Case Vehicle Extent #2	00	Missing Data/Not applicable	more
V581 — Secondary CDC Case Vehicle -CDC #2	9800000	—	—
V582 — Secondary CDC Contacted Vehicle - Impact Speed	999	Unknown	more
V583 — Secondary CDC Contacted Vehicle - Estimated By	1	—	—
V584 — Secondary CDC Contacted Vehicle -crush	999	Unknown	more
V585 — Secondary CDC Contacted Vehicle -clock #1	99	Unknown or no damage	more
V586 — Secondary CDC Contacted Vehicle letter 1 #1	00	Missing Data/Not applicable	more
V587 — Secondary CDC Contacted Vehicle letter 2 #1	00	Missing Data/Not applicable	more
V588 — Secondary CDC Contacted Vehicle letter 3 #1	00	Missing Data/Not applicable	more
V589 — Secondary CDC Contacted Vehicle letter 4 #1	00	Missing Data/Not applicable	more
V590 — Secondary CDC Contacted Vehicle Extent #1	00	Missing Data/Not applicable	more
V591 — Secondary CDC Contacted Vehicle -CDC #1	9900000	—	—
V593 — Secondary CDC Contacted Vehicle letter 1 #2	00	Missing Data/Not applicable	more
V594 — Secondary CDC Contacted Vehicle letter 2 #2	00	Missing Data/Not applicable	more
V595 — Secondary CDC Contacted Vehicle letter 3 #2	00	Missing Data/Not applicable	more
V596 — Secondary CDC Contacted Vehicle letter 4 #2	00	Missing Data/Not applicable	more
V597 — Secondary CDC Contacted Vehicle Extent #2	00	Missing Data/Not applicable	more
V598 — Secondary CDC Contacted Vehicle -CDC #2	9900000	—	—

Crash Severity

Variable Number and Name	Code Value	Code Description	Other Options
V601 — Case Vehicle Primary Impact Number	1	—	—
V602 — Primary Impact Total Delta-V	026 kph	—	—
V603 — Primary Case Vehicle Reconstructed Longitudinal Delta-V	-025 kph	—	—
V604 — Primary Case Vehicle Reconstructed Lateral Delta-V	-005 kph	—	—
V605 — Primary Case Vehicle Reconstructed Crush Energy	0386 kJ	—	—
V606 — Primary Impact Case Vehicle -reconstruction	22	Reconstructed, moderate confidence level	more
V607 — Primary Case Vehicle Reconstruction Mode	2	CDC & detailed damage	more
V608 — Primary Contacted Vehicle Reconstructed Total Delta-V	013 kph	—	—
V609 — Primary Contacted Vehicle Reconstructed Longitudinal Delta-V	-013 kph	—	—
V610 — Primary Contacted Vehicle Reconstructed Lateral Delta-V	0000 kph	—	—
V611 — Primary Contacted Vehicle Reconstructed Crush Energy	0192 kJ	—	—
V612 — Case Vehicle Secondary Impact Number	2	—	—
V613 — Secondary Case Vehicle Reconstructed Total Delta-V	023 kph	—	—
V614 — Secondary Case Vehicle Reconstructed Longitudinal Delta-V	0000 kph	—	—
V615 — Secondary Case Vehicle Reconstructed Lateral Delta-V	0023 kph	—	—
V616 — Secondary Case Vehicle Reconstructed Crush Energy	0493 kJ	—	—
V617 — Secondary Case Vehicle Reconstruction Note	22	Reconstructed, moderate confidence level	more
V618 — Secondary Case Vehicle Reconstruction Mode	2	CDC & detailed damage	more

V619 — Secondary Contacted Vehicle Reconstructed Total Delta-V	019 kph	—	—
V620 — Secondary Contacted Vehicle Reconstructed Longitudinal Delta-V	-019 kph	—	—
V621 — Secondary Contacted Vehicle Reconstructed Lateral Delta-V	0000 kph	—	—
V622 — Secondary Contacted Vehicle Reconstructed Crush Energy	0299 kJ	—	—
V623 — Case Vehicle Primary Impact Number	1	—	—
V624 — Primary Case Vehicle Reconstructed Total EBS	025 kph	—	—
V625 — Primary Case Vehicle Reconstructed Longitudinal EBS	-024 kph	—	—
V626 — Primary Case Vehicle Reconstructed Lateral EBS	-004 kph	—	—
V627 — Primary Case Vehicle Reconstructed Crush Energy	0386 kJ	—	—
V628 — Primary Case Vehicle Reconstruction Note	22	Reconstructed, moderate confidence level	more
V629 — Primary Case Vehicle Reconstruction Mode	2	CDC & detailed damage	more
V630 — Primary Contacted Vehicle Reconstruction Total EBS	888	N/A	more
V631 — Primary Contacted Vehicle Reconstruction Longitudinal EBS	8888	—	—
V632 — Primary Contacted Vehicle Reconstruction Lateral EBS	8888	—	—
V633 — Primary Contacted Vehicle Reconstruction Crush Energy	8888	—	—
V634 — Case Vehicle Secondary Impact Number	2	—	—
V635 — Secondary Case Vehicle Reconstruction Total EBS	022 kph	—	—
V636 — Secondary Case Vehicle Reconstruction Longitudinal EBS	0000 kph	—	—
V637 — Secondary Case Vehicle Reconstruction Lateral EBS	0022 kph	—	—
V638 — Secondary Case Vehicle Reconstruction Crush Energy	0493 kJ	—	—
V639 — Secondary Case Vehicle Reconstruction Note	22	Reconstructed,	more

		moderate confidence level	
V640 — Secondary Case Vehicle Reconstruction Mode	2	CDC & detailed damage	more
V641 — Secondary Contacted Vehicle Reconstruction Total EBS	888	N/A	more
V642 — Secondary Contacted Vehicle Reconstruction Longitudinal EBS	8888	—	—
V643 — Secondary Contacted Vehicle Reconstruction Lateral EBS	8888	—	—
V644 — Secondary Contacted Vehicle Reconstruction Crush Energy	8888	—	—
V645 — Case Vehicle Reconstructed Impact Number	1	—	—
V646 — Case Vehicle Impact 1 Plane	1	Bumper	more
V647 — Case Vehicle Impact 1 Direct Damage Length [DDL]	065 cm	—	—
V648 — Case Vehicle Impact 1 Max Crush	040 cm	—	—
V649 — Case Vehicle Impact 1 Field-L	136 cm	—	—
V650 — Case Vehicle Impact 1 C1	040 cm	—	—
V651 — Case Vehicle Impact 1 C2	026 cm	—	—
V652 — Case Vehicle Impact 1 C3	025 cm	—	—
V653 — Case Vehicle Impact 1 C4	015 cm	—	—
V654 — Case Vehicle Impact 1 C5	003 cm	—	—
V655 — Case Vehicle Impact 1 C6	003 cm	—	—
V656 — Case Vehicle Impact 1 +/- D	-037 cm	—	—
V657 — Case Vehicle Reconstructed Impact Number	2	—	—
V658 — Case Vehicle Impact 2 Plane	4	Above sill	more
V659 — Case Vehicle Impact 2 Direct Damage Length [DDL]	044 cm	—	—
V660 — Case Vehicle Impact 2 Max Crush	059 cm	—	—
V661 — Case Vehicle Impact 2 Field-L	147 cm	—	—
V662 — Case Vehicle Impact 2 C1	051 cm	—	—
V663 — Case Vehicle Impact 2 C2	059 cm	—	—
V664 — Case Vehicle Impact 2 C3	002 cm	—	—

V665 — Case Vehicle Impact 2 C4	000 cm	No Crush	more
V666 — Case Vehicle Impact 2 C5	000 cm	No Crush	more
V667 — Case Vehicle Impact 2 C6	000 cm	No Crush	more
V668 — Case Vehicle Impact 2 +/- D	-145 cm	—	—
V669 — Other Vehicle Reconstructed Impact Number	1	—	—
V670 — Other Vehicle Impact 1 Plane	9	Unknown	more
V671 — Other Vehicle Impact 1 Direct Damage Length [DDL]	999	Unknown	more
V672 — Other Vehicle Impact 1 Max Crush	999	Unknown	more
V673 — Other Vehicle Impact 1 Field-L	999	Unknown	more
V674 — Other Vehicle Impact 1 C1	999	Unknown	more
V675 — Other Vehicle Impact 1 C2	999	Unknown	more
V676 — Other Vehicle Impact 1 C3	999	Unknown	more
V677 — Other Vehicle Impact 1 C4	999	Unknown	more
V678 — Other Vehicle Impact 1 C5	999	Unknown	more
V679 — Other Vehicle Impact 1 C6	999	Unknown	more
V680 — Other Vehicle Impact 1 +/- D	0999 cm	—	—
V681 — Other Vehicle Reconstructed Impact Number	2	—	—
V682 — Other Vehicle Impact 2 Plane	8	Not applicable	more
V683 — Other Vehicle Impact 2 Direct Damage Length [DDL]	998	Not applicable	more
V684 — Other Vehicle Impact 2 Max Crush	998	Not applicable	more
V685 — Other Vehicle Impact 2 Field-L	998	Not applicable	more
V686 — Other Vehicle Impact 2 C1	998	Not applicable	more
V687 — Other Vehicle Impact 2 C2	998	Not applicable	more
V688 — Other Vehicle Impact 2 C3	998	Not applicable	more
V689 — Other Vehicle Impact 2 C4	998	Not applicable	more
V690 — Other Vehicle Impact 2 C5	998	Not applicable	more
V691 — Other Vehicle Impact 2 C6	998	Not applicable	more
V692 — Other Vehicle Impact 2 +/- D	9998	—	—

Case Vehicle

Tires & Rims

Variable Number and Name	Code Value	Code Description	Other Options
V701 — Left Front Wheel Damaged	1	Yes	more
V702 — Right Front Wheel Damaged	0	No	more
V703 — Right Rear Wheel Damaged	0	No	more
V704 — Left Rear Wheel Damaged	0	No	more
V705 — Left Front Tire Tread Type	4	All Weather	more
V706 — Right Front Tire Tread Type	4	All Weather	more
V707 — Right Rear Tire Tread Type	4	All Weather	more
V708 — Left Rear Tire Tread Type	4	All Weather	more
V709 — Left Front Carcass Construction	3	Radial	more
V710 — Right Front Carcass Construction	3	Radial	more
V711 — Right Rear Carcass Construction	3	Radial	more
V712 — Left Rear Carcass Construction	3	Radial	more
V717 — Left Front Tire Size	P18560R15	—	—
V718 — Right Front Tire Size	P18560R15	—	—
V719 — Right Rear Tire Size	P18560R15	—	—
V720 — Left Rear Tire Size	P18560R15	—	—

Case Vehicle

Fuel, Tank, Fire

Variable Number and Name	Code Value	Code Description	Other Options
V801 — Propulsive Fuel Type	1	Gasoline	more
V802 — Main Tank Location	322	Within frame/centered laterally - within vertically	more
V803 — Main Filler Cap Location	113	Left of frame laterally - above vertically	more
V804 — Main Tank Material	3	Plastic	more
V805 — Aux Tank Type	8	Not applicable (not equipped)	more
V806 — Aux Tank Location	888	Not applicable (not equipped)	more
V807 — Aux Filler Cap Location	888	Not applicable (not equipped)	more
V808 — Aux Tank Material	8	Not applicable	more
V901 — Fuel Leakage From Crash	0	No	more
V1001 — Fire In Or On Case Vehicle	0	No	more

Case Vehicle

Exterior

Variable Number and Name	Code Value	Code Description	Other Options
V1101 — Hood Latch Released	1	Yes	more
V1102 — Hood Latch Damaged	1	Yes	more
V1103 — Hood Latch Jammed	0	No	more
V1104 — Left Hood Hinge Damaged	0	No	more
V1105 — Left Hood Hinge Separated	8	Not applicable	more
V1106 — Right Hood Hinge Damaged	0	No	more
V1107 — Right Hood Hinge Separated	8	Not applicable	more
V1108 — Hood Remained On Vehicle	1	Yes	more
V1109 — Rear Hood Edge Elevated	1	Yes	more
V1110 — Edge Contacted Windshield	0	No	more
V1111 — Edge Penetrated Windshield	8	Not applicable	more
V1112 — Hood Latch Location	1	Front of Vehicle	more
V1113 — Eng/Transmissn Mount Separation	0	No	more
V1114 — Steerng Column Flex Coupling	9	Unknown if equipped	more
V1115 — Steerng Column Coupling Damaged	9	Unknown	more
V1116 — Steerng Column Coupling Separated	9	Unknown	more
V1117 — Eng Comp Telescopng Unit	88	Not collected	more
V1118 — Comp Orig/Telescopd Diff	888	Not collected	more
V1119 — Left Side Body Mount Separation	8	Not applicable (unitized)	more
V1120 — Upper Left A-pillar Separation	0	No	more
V1121 — Lower Left A-pillar Separation	0	No	more
V1122 — Upper Left B-pillar Separation	0	No	more
V1123 — Lower Left B-pillar Separation	0	No	more

V1124 — Upper Left C-pillar Separation	4	No separation, but damaged	more
V1125 — Lower Left C-pillar Separation	8	Not applicable (not equipped)	more
V1126 — Upper Left D-pillar Separation	8	Not applicable (not equipped)	more
V1127 — Lower Left D-pillar Separation	8	Not applicable (not equipped)	more
V1128 — Left Front Door Opening Cause	0	Door did not open	more
V1129 — Left Rear Door Opening Cause	8	Not applicable (no left rear door)	more
V1130 — Left Front Door Jammed Closed	0	No	more
V1131 — Left Rear Door Jammed Closed	8	Not applicable (no left rear door)	more
V1132 — Rear Door Type	0	No door (includes pickups)	more
V1133 — Rear Door Opening Cause	8	Not applicable (no rear door)	more
V1134 — Rear Door Jammed Closed	8	Not applicable (no rear door)	more
V1135 — Luggage Partition Damagd	8	Not applicable	more
V1136 — Spare Tire Status	8	Not collected	more
V1137 — Trailer Hitch Type	0	No hitch	more
V1138 — Trailer Type	0	No trailer	more
V1139 — Right Side Body Mount Separation	8	Not applicable (unitized)	more
V1140 — Upper Right A-pillar Separation	0	No	more
V1141 — Lower Right A-pillar Separation	0	No	more
V1142 — Upper Right B-pillar Separation	0	No	more
V1143 — Lower Right B-pillar Separation	0	No	more
V1144 — Upper Right C-pillar Separation	0	No	more
V1145 — Lower Right C-pillar Separation	8	Not applicable (not equipped)	more
V1146 — Upper Right D-pillar Separation	8	Not applicable (not equipped)	more
V1147 — Lower Right D-pillar Separation	8	Not applicable (not equipped)	more
V1148 — Right Front Door Opening Cause	00	Door did not open	more
V1149 — Right Rear Door Opening Cause	98	Not applicable (no right rear door)	more
V1150 — Right Front Door Jammed Closed	0	No	more
V1151 — Right Rear Door Jammed Closed	8	Not applicable (no right rear	more

		door)	
V1152 — Van Rear Door Type	8	Not applicable (not a van)	more
V1153 — Windshield Cracked	1	Yes	more
V1154 — Windshield Broken	0	No	more
V1155 — Windshield Cracked or Broken by Occupant	1	Yes	more
V1156 — Bond Separation Extent	0	None	more
V1157 — Windshield Code	97	—	—
V1158 — Did Sun/T Roof Open	8	Not Applicable	more

Case Vehicle

Steering

Column/Rim

Variable Number and Name	Code Value	Code Description	Other Options
V1201 — Steering Wheel Rim Damage	0	None	more
V1202 — Number of Steering Wheel Spokes	4	4 spokes	more
V1203 — Steering Wheel Spoke Damage	0	None	more
V1204 — Column Tilt Feature	2	Up	more
V1205 — Column Swing-away Feature	0	Not equipped	more
V1206 — Column Telescoping Feature	0	Not equipped	more
V1207 — Wheel Energy Absorb Device	8	Not collected	more
V1208 — Wheel Ea Orig/Damaged Diff	888	Not collected	more
V1209 — Column Energy Absorb Device	88	Not collected	more
V1210 — Column Ea Orig/Comprss Diff	888	Not collected	more
V1211 — Shear Capsule Separation	888	Not collected	more
V1212 — Column Vertical Rotation	0	No apparent rotation	more
V1213 — Column Lateral Rotation	0	No apparent rotation	more
V1214 — Steering Wheel Hub Damage	0	None	more

Case Vehicle Intrusion

Variable Number and Name	Code Value	Code Description	Other Options
V1301 — Occupant Compartment Intrusion	0	No	more
V1302 — Was Intrusion Catastrophic	8	Not applicable	more
V1303 — Intrusion Number 01	00	No Intrusion, None	more
V1304 — Intrusion 01 Occupant Space Number	00	No Intrusion, None	more
V1305 — Intrusion 01 Intruding Object	00	No Intrusion, None	more
V1306 — Intrusion 01 Assoc Event Number	0	No Intrusion, None	more
V1307 — Intrusion 01 Max Intrusion X-axis	00 cm	0 cm or No Intrusion	more
V1308 — Intrusion 01 Max Intrusion Y-axis	00 cm	0 cm or No Intrusion	more
V1309 — Intrusion 01 Max Intrusion Z-axis	00 cm	0 cm or No Intrusion	more
V1310 — Intrusion 01 Occupant Number	00	No contact or no intrusion	more
V1311 — Intrusion 01 Injury Number	00	No injury or no intrusion	more
V1312 — Intrusion 01 Occupant Number	00	No contact or no intrusion	more
V1313 — Intrusion 01 Injury Number	99	Contact, injury unknown or data not collected	more
V1314 — Intrusion Number 02	00	No Intrusion, None	more
V1315 — Intrusion 02 Occupant Space Number	00	No Intrusion, None	more
V1316 — Intrusion 02 Intruding Object	00	No Intrusion, None	more
V1317 — Intrusion 02 Assoc Event Number	0	No Intrusion, None	more
V1318 — Intrusion 02 Max Intrusion X-axis	00 cm	0 cm or No Intrusion	more
V1319 — Intrusion 02 Max Intrusion Y-axis	00 cm	0 cm or No Intrusion	more
V1320 — Intrusion 02 Max Intrusion Z-axis	00 cm	0 cm or No Intrusion	more
V1321 — Intrusion 02 Occupant Number	00	No contact or no intrusion	more
V1322 — Intrusion 02 Injury Number	00	No injury or no intrusion	more
V1323 — Intrusion 02 Occupant Number	00	No contact or no intrusion	more
V1324 — Intrusion 02 Injury Number	99	Contact, injury unknown or	more

		data not collected	
V1325 — Intrusion Number 03	00	No Intrusion, None	more
V1326 — Intrusion 03 Occupant Space Number	00	No Intrusion, None	more
V1327 — Intrusion 03 Intruding Object	00	No Intrusion, None	more
V1328 — Intrusion 03 Assoc Event Number	0	No Intrusion, None	more
V1329 — Intrusion 03 Max Intrusion X-axis	00 cm	0 cm or No Intrusion	more
V1330 — Intrusion 03 Max Intrusion Y-axis	00 cm	0 cm or No Intrusion	more
V1331 — Intrusion 03 Max Intrusion Z-axis	00 cm	0 cm or No Intrusion	more
V1332 — Intrusion 03 Occupant Number	00	No contact or no intrusion	more
V1333 — Intrusion 03 Injury Number	00	No injury or no intrusion	more
V1334 — Intrusion 03 Occupant Number	00	No contact or no intrusion	more
V1335 — Intrusion 03 Injury Number	99	Contact, injury unknown or data not collected	more
V1336 — Intrusion Number 04	00	No Intrusion, None	more
V1337 — Intrusion 04 Occupant Space Number	00	No Intrusion, None	more
V1338 — Intrusion 04 Intruding Object	00	No Intrusion, None	more
V1339 — Intrusion 04 Assoc Event Number	0	No Intrusion, None	more
V1340 — Intrusion 04 Max Intrusion X-axis	00 cm	0 cm or No Intrusion	more
V1341 — Intrusion 04 Max Intrusion Y-axis	00 cm	0 cm or No Intrusion	more
V1342 — Intrusion 04 Max Intrusion Z-axis	00 cm	0 cm or No Intrusion	more
V1343 — Intrusion 04 Occupant Number	00	No contact or no intrusion	more
V1344 — Intrusion 04 Injury Number	00	No injury or no intrusion	more
V1345 — Intrusion 04 Occupant Number	00	No contact or no intrusion	more
V1346 — Intrusion 04 Injury Number	99	Contact, injury unknown or data not collected	more
V1347 — Intrusion Number 05	00	No Intrusion, None	more
V1348 — Intrusion 05 Occupant Space Number	00	No Intrusion, None	more
V1349 — Intrusion 05 Intruding Object	00	No Intrusion, None	more
V1350 — Intrusion 05 Assoc Event Number	0	No Intrusion, None	more

V1351 — Intrusion 05 Max Intrusion X-axis	00 cm	0 cm or No Intrusion	more
V1352 — Intrusion 05 Max Intrusion Y-axis	00 cm	0 cm or No Intrusion	more
V1353 — Intrusion 05 Max Intrusion Z-axis	00 cm	0 cm or No Intrusion	more
V1354 — Intrusion 05 Occupant Number	00	No contact or no intrusion	more
V1355 — Intrusion 05 Injury Number	00	No injury or no intrusion	more
V1356 — Intrusion 05 Occupant Number	00	No contact or no intrusion	more
V1357 — Intrusion 05 Injury Number	99	Contact, injury unknown or data not collected	more
V1358 — Intrusion Number 06	00	No Intrusion, None	more
V1359 — Intrusion 06 Occupant Space Number	00	No Intrusion, None	more
V1360 — Intrusion 06 Intruding Object	00	No Intrusion, None	more
V1361 — Intrusion 06 Assoc Event Number	0	No Intrusion, None	more
V1362 — Intrusion 06 Max Intrusion X-axis	00 cm	0 cm or No Intrusion	more
V1363 — Intrusion 06 Max Intrusion Y-axis	00 cm	0 cm or No Intrusion	more
V1364 — Intrusion 06 Max Intrusion Z-axis	00 cm	0 cm or No Intrusion	more
V1365 — Intrusion 06 Occupant Number	00	No contact or no intrusion	more
V1366 — Intrusion 06 Injury Number	00	No injury or no intrusion	more
V1367 — Intrusion 06 Occupant Number	00	No contact or no intrusion	more
V1368 — Intrusion 06 Injury Number	99	Contact, injury unknown or data not collected	more
V1369 — Intrusion Number 07	00	No Intrusion, None	more
V1370 — Intrusion 07 Occupant Space Number	00	No Intrusion, None	more
V1371 — Intrusion 07 Intruding Object	00	No Intrusion, None	more
V1372 — Intrusion 07 Assoc Event Number	0	No Intrusion, None	more
V1373 — Intrusion 07 Max Intrusion X-axis	00 cm	0 cm or No Intrusion	more
V1374 — Intrusion 07 Max Intrusion Y-axis	00 cm	0 cm or No Intrusion	more
V1375 — Intrusion 07 Max Intrusion Z-axis	00 cm	0 cm or No Intrusion	more
V1376 — Intrusion 07 Occupant Number	00	No contact or no intrusion	more
V1377 — Intrusion 07 Injury Number	00	No injury or no intrusion	more
V1378 — Intrusion 07 Occupant Number	00	No contact or no intrusion	more

V1379 — Intrusion 07 Injury Number	99	Contact, injury unknown or data not collected	more
V1380 — Intrusion Number 08	00	No Intrusion, None	more
V1381 — Intrusion 08 Occupant Space Number	00	No Intrusion, None	more
V1382 — Intrusion 08 Intruding Object	00	No Intrusion, None	more
V1383 — Intrusion 08 Assoc Event Number	0	No Intrusion, None	more
V1384 — Intrusion 08 Max Intrusion X-axis	00 cm	0 cm or No Intrusion	more
V1385 — Intrusion 08 Max Intrusion Y-axis	00 cm	0 cm or No Intrusion	more
V1386 — Intrusion 08 Max Intrusion Z-axis	00 cm	0 cm or No Intrusion	more
V1387 — Intrusion 08 Occupant Number	00	No contact or no intrusion	more
V1388 — Intrusion 08 Injury Number	00	No injury or no intrusion	more
V1389 — Intrusion 08 Occupant Number	00	No contact or no intrusion	more
V1390 — Intrusion 08 Injury Number	99	Contact, injury unknown or data not collected	more
V1391 — Intrusion Number 09	00	No Intrusion, None	more
V1392 — Intrusion 09 Occupant Space Number	00	No Intrusion, None	more
V1393 — Intrusion 09 Intruding Object	00	No Intrusion, None	more
V1394 — Intrusion 09 Assoc Event Number	0	No Intrusion, None	more
V1395 — Intrusion 09 Max Intrusion X-axis	00 cm	0 cm or No Intrusion	more
V1396 — Intrusion 09 Max Intrusion Y-axis	00 cm	0 cm or No Intrusion	more
V1397 — Intrusion 09 Max Intrusion Z-axis	00 cm	0 cm or No Intrusion	more
V1398 — Intrusion 09 Occupant Number	00	No contact or no intrusion	more
V1399 — Intrusion 09 Injury Number	00	No injury or no intrusion	more
V1400 — Intrusion 09 Occupant Number	00	No contact or no intrusion	more
V1401 — Intrusion 09 Injury Number	99	Contact, injury unknown or data not collected	more
V1402 — Intrusion Number 10	00	No Intrusion, None	more
V1403 — Intrusion 10 Occupant Space Number	00	No Intrusion, None	more
V1404 — Intrusion 10 Intruding Object	00	No Intrusion, None	more
V1405 — Intrusion 10 Assoc Event Number	0	No Intrusion, None	more

V1406 — Intrusion 10 Max Intrusion X-axis	00 cm	0 cm or No Intrusion	more
V1407 — Intrusion 10 Max Intrusion Y-axis	00 cm	0 cm or No Intrusion	more
V1408 — Intrusion 10 Max Intrusion Z-axis	00 cm	0 cm or No Intrusion	more
V1409 — Intrusion 10 Occupant Number	00	No contact or no intrusion	more
V1410 — Intrusion 10 Injury Number	00	No injury or no intrusion	more
V1411 — Intrusion 10 Occupant Number	00	No contact or no intrusion	more
V1412 — Intrusion 10 Injury Number	99	Contact, injury unknown or data not collected	more
V1413 — Door Intrusion Number 01	88	Not Applicable	more
V1414 — Door Intrusion Number 01 Cause	8	Not applicable	more
V1415 — Door Intrusion Number 02	88	Not Applicable	more
V1416 — Door Intrusion Number 02 Cause	8	Not applicable	more
V1417 — Door Intrusion Number 03	88	Not Applicable	more
V1418 — Door Intrusion Number 03 Cause	8	Not applicable	more
V1419 — Door Intrusion 01 Component	88	Not Applicable	more
V1420 — Door Intrusion 01 Component Damaged 1	8	Not Applicable	more
V1421 — Door Intrusion 01 Component Damaged 2	8	Not Applicable	more
V1422 — Door Intrusion 02 Component	88	Not Applicable	more
V1423 — Door Intrusion 02 Component Damaged 1	8	Not Applicable	more
V1424 — Door Intrusion 02 Component Damaged 2	8	Not Applicable	more
V1425 — Door Intrusion 03 Component	88	Not Applicable	more
V1426 — Door Intrusion 03 Component Damaged 1	8	Not Applicable	more
V1427 — Door Intrusion 03 Component Damaged 2	8	Not Applicable	more
V1428 — Door Intrusion 04 Component	88	Not Applicable	more
V1429 — Door Intrusion 04 Component Damaged 1	8	Not Applicable	more
V1430 — Door Intrusion 04 Component Damaged 2	8	Not Applicable	more

Case Vehicle Airbag(s)

Variable Number and Name	Code Value	Code Description	Other Options
V1501 — Driver Airbag Equipped	1	Yes	more
V1502 — Driver Airbag Deployed	1	Yes	more
V1503 — Driver Airbag Condition	0	No Damage	more
V1504 — Passenger Airbag Equip	1	Yes	more
V1505 — Passenger Airbag Deployed	1	Yes	more
V1506 — Passenger Airbag Condition	0	No Damage	more
V1507 — Steering Wheel Airbag Tether	1	Yes	more
V1508 — Driver Airbag Marked By Contact	0	No	more
V1509 — Passenger Airbag Tether	0	No	more
V1510 — Passenger Airbag Marked By Contact	1	Yes	more

Case Vehicle

Interior

Variable Number and Name	Code Value	Code Description	Other Options
V1601 — Left Front Door Damaged	4	Yes, occupant contact	more
V1602 — Right Front Door Damaged	0	No	more
V1603 — Left Front Hardware Damaged	0	No	more
V1604 — Right Front Hardware Damaged	0	No	more
V1605 — Left Front Armrest Damaged	0	No	more
V1606 — Right Front Armrest Damaged	0	No	more
V1607 — Left Front Glass Damaged	0	No	more
V1608 — Right Front Glass Damaged	0	No	more
V1609 — Left Rear Door Area Damaged	0	No	more
V1610 — Right Rear Door Area Damaged	0	No	more
V1611 — Left Rear Hardware Damaged	8	Not applicable	more
V1612 — Right Rear Hardware Damaged	8	Not applicable	more
V1613 — Left Rear Armrest Damaged	0	No	more
V1614 — Right Rear Armrest Damaged	0	No	more
V1615 — Left Rear Glass Damaged	0	No	more
V1616 — Right Rear Glass Damaged	0	No	more
V1617 — Left Roof Side Rail Damaged	4	Yes, occupant contact	more
V1618 — Right Roof Side Rail Damaged	0	No	more
V1619 — Left B-pillar Damaged	0	No	more
V1620 — Right B-pillar Damaged	0	No	more
V1621 — Left C-pillar Damaged	0	No	more
V1622 — Right C-pillar Damaged	0	No	more
V1623 — Left D-pillar Damaged	8	Not applicable	more
V1624 — Right D-pillar Damaged	8	Not applicable	more
V1625 — Left Headlining Damaged	0	No	more

V1626 — Right Headlining Damaged	0	No	more
V1627 — Left Roof Structure Damaged	0	No	more
V1628 — Right Roof Structure Damaged	0	No	more
V1629 — Left T/Sun Roof Damaged	8	Not applicable	more
V1630 — Right T/Sun Roof Damaged	8	Not applicable	more
V1631 — Other Left Side Item Damagd	8	Not applicable	more
V1632 — Other Right Side Item Damagd	8	Not applicable	more
V1633 — Foot Controls Damaged	0	No	more
V1634 — Ignition Key Damaged	0	No	more
V1635 — Rear View Mirror Damaged	0	No	more
V1636 — Sunvisor/Fitting Damaged	5	Left side only	more
V1637 — Windshield Molding Damaged	0	No	more
V1638 — Left A-pillar Damaged	0	No	more
V1639 — Right A-pillar Damaged	0	No	more
V1640 — Center Console Damaged	0	No	more
V1641 — Transmission Lever Damaged	0	No	more
V1642 — Horn/Spoke Shroud Damagd	0	No	more
V1643 — Upper Panel Damaged	0	No	more
V1644 — Mid Panel Damaged	3	No, occupant contact	more
V1645 — Lower Panel Damaged	3	No, occupant contact	more
V1646 — Ashtray Damaged	0	No	more
V1647 — Control Knob/Lever Damaged	0	No	more
V1648 — Glove Compartment Area Damaged	3	No, occupant contact	more
V1649 — Instruments Damaged	0	No	more
V1650 — Park Brake Release Damaged	0	No	more
V1651 — Park Brake Pedal Damaged	0	No	more
V1652 — A/C Or Upper Vent Damaged	0	No	more
V1653 — Heater Or A/C Duct Damaged	0	No	more
V1654 — Radio Damaged	0	No	more

V1655 — Other Item Damaged	8	Not applicable	more
V1656 — Rear Window Damaged	1	Yes	more
V1657 — Rear Window Header Damaged	0	No	more
V1658 — Vertical Console Damaged	3	No, occupant contact	more
V1659 — Roof Console Damaged	8	Not applicable	more

Case Vehicle

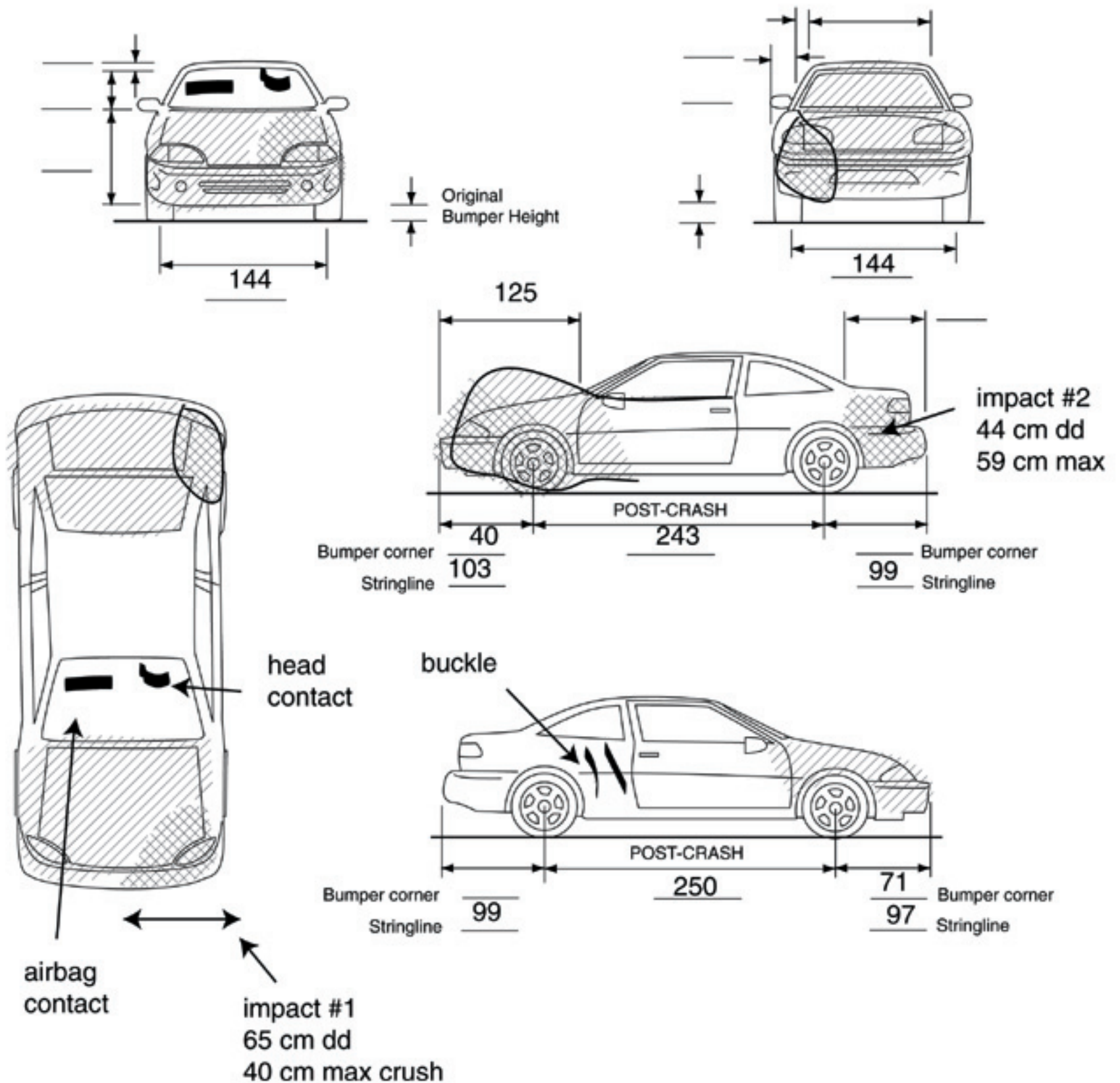
Seats

Variable Number and Name	Code Value	Code Description	Other Options
V1701 — Driver Front Seat Type	05	Bucket	more
V1702 — Passenger Front Seat Type	05	Bucket	more
V1703 — Driver Seat Mount Type	1	Standard	more
V1704 — Passenger Seat Mount Type	1	Standard	more
V1705 — Driver Swivel Mechanism Equipped	0	No	more
V1706 — Passenger Swivel Mechanism Equipped	0	No	more
V1707 — Driver Seat Original Equipment	1	Yes	more
V1708 — Passenger Seat Original Equipment	1	Yes	more
V1709 — Driver Seat/Rear Occupant Contact	8	Not applicable	more
V1710 — Passenger Seat/Rear Occupant Contact	8	Not applicable	more
V1711 — Driver Seat Damage	0	None	more
V1712 — Passenger Seat Damage	0	None	more
V1713 — Center Front Armrest Damaged	8	Not applicable (no center armrest)	more
V1714 — Driver Seat Rotation	0	None apparent	more
V1715 — Passenger Seat Rotation	0	None apparent	more
V1716 — Driver Seat-back Type	1	Forward folding	more
V1717 — Passenger Seat-back Type	1	Forward folding	more
V1718 — Driver Seat-back Lock Type	1	Manual	more
V1719 — Passenger Seat-back Lock Type	1	Manual	more
V1720 — Driver Seat-back Lock Held	1	Yes	more
V1721 — Passenger Seat-back Lock Held	1	Yes	more
V1722 — Driver Recliner Mechanism Held	1	Yes	more
V1723 — Passenger Recliner Mechanism Held	1	Yes	more
V1724 — Driver Head Restraint Type	1	Adjustable	more

V1725 — Passenger Head Restraint Type	1	Adjustable	more
V1726 — Driver Head Rest Removed	0	No	more
V1727 — Passenger Head Rest Removed	0	No	more
V1728 — Driver Head Rest Adjustment	1	Up	more
V1729 — Passenger Head Rest Adjustment	1	Up	more
V1730 — Driver Head Rest Damage	0	None	more
V1731 — Passenger Head Rest Damage	0	None	more
V1732 — Driver Seat Adjustment Type	1	Manual	more
V1733 — Passenger Seat Adjustment Type	1	Manual	more
V1734 — Driver Seat Adjustment Provided	1	2-way	more
V1735 — Passenger Seat Adjustment Provided	1	2-way	more
V1736 — Driver Seat Adjuster Damage	0	None	more
V1737 — Passenger Seat Adjuster Damage	0	None	more
V1738 — Driver Seat Adjuster Separation	8	Not applicable	more
V1739 — Passenger Seat Adjuster Separation	8	Not applicable	more
V1740 — Driver Seat Pre-crash Position	9	Unknown	more
V1741 — Passenger Seat Pre-crash Position	3	Rearward	more
V1742 — Left Rear Seat Type	6	Luggage area access panel	more
V1743 — Right Rear Seat Type	6	Luggage area access panel	more
V1744 — Left Rear Seat Damaged	0	None	more
V1745 — Right Rear Seat Damaged	0	None	more
V1746 — Center Rear Armrest Damaged	8	Not applicable (No Center Armrest)	more
V1747 — Left Rear Seat-back Left Lock Equipped	1	Yes	more
V1748 — Right Rear Seat-back Left Lock Equipped	0	No	more
V1749 — Left Rear Seat-back Left Lock Held	1	Yes	more
V1750 — Right Rear Seat-back Left Lock Held	8	Not applicable	more
V1751 — Left Rear Seat-back Right Lock Equipped	0	No	more

V1752 — Right Rear Seat-back Right Lock Equipped	1	Yes	more
V1753 — Left Rear Seat-back Right Lock Held	8	Not applicable	more
V1754 — Right Rear Seat-back Right Lock Held	1	Yes	more
V1755 — Left 3rd Seat Equipped	0	No	more
V1756 — Right 3rd Seat Equipped	0	No	more
V1757 — Left 3rd Seat Backrest Damaged	8	Not applicable	more
V1758 — Right 3rd Seat Backrest Damaged	8	Not applicable	more
V1759 — Left 3rd Seat Cushion Damaged	8	Not applicable	more
V1760 — Right 3rd Seat Cushion Damaged	8	Not applicable	more
V1761 — Rear Head Restraints	1	Equipped	more

MEASUREMENTS IN CENTIMETERS



WINDSHIELD MARK ON CASE VEHICLE:

SOLAR TINT TM

FORD

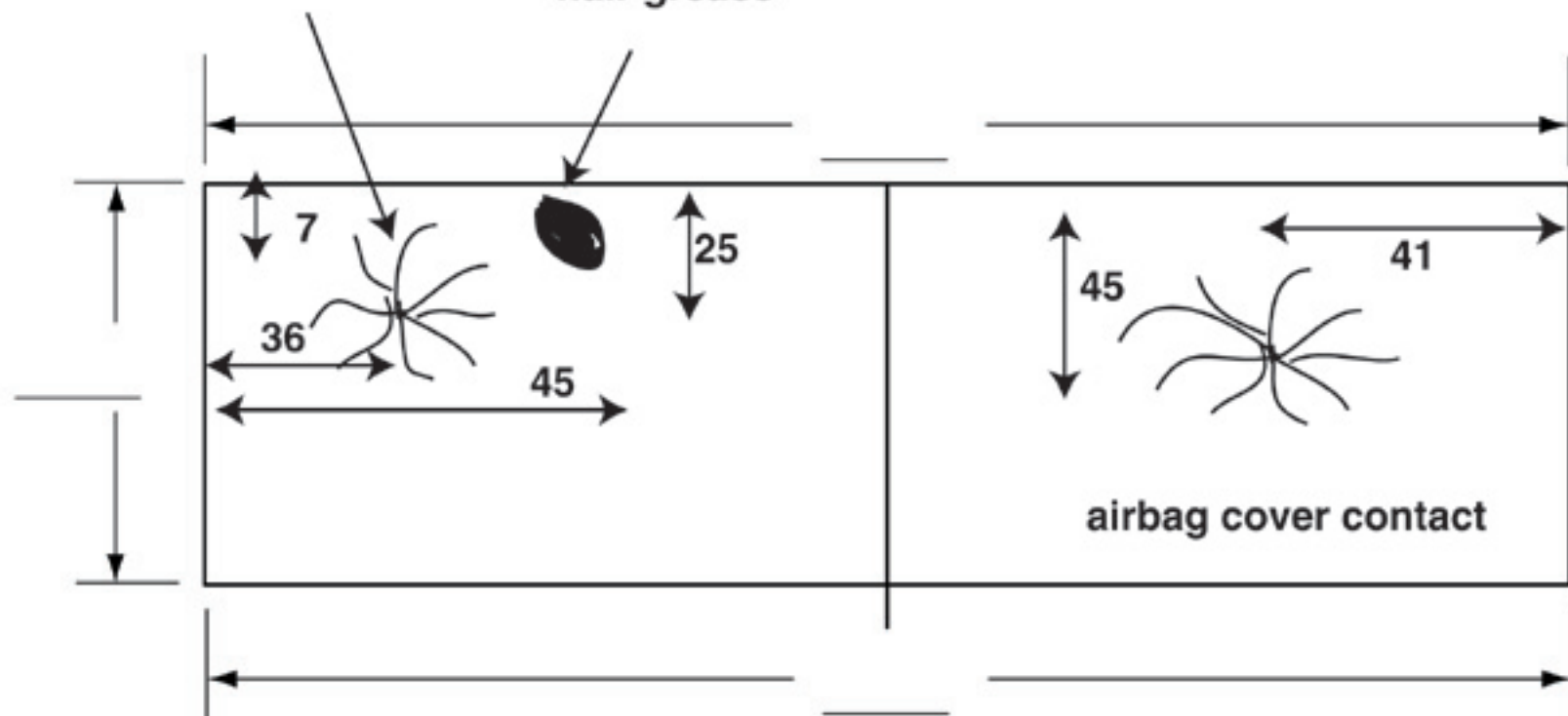
(V) LAMINATED (R)
DOT-287 VF-M562

9 A

DW-1300

head contact

hair grease



1 = Definitely 2 = Probably 3 = Possible

INTRUSION IT-1

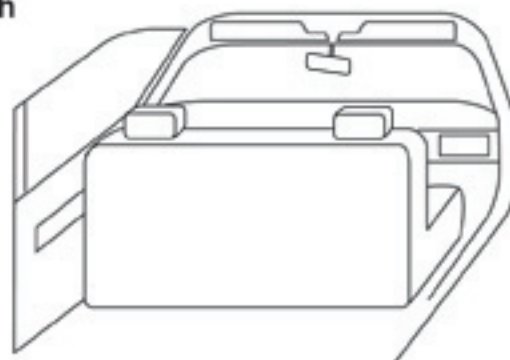
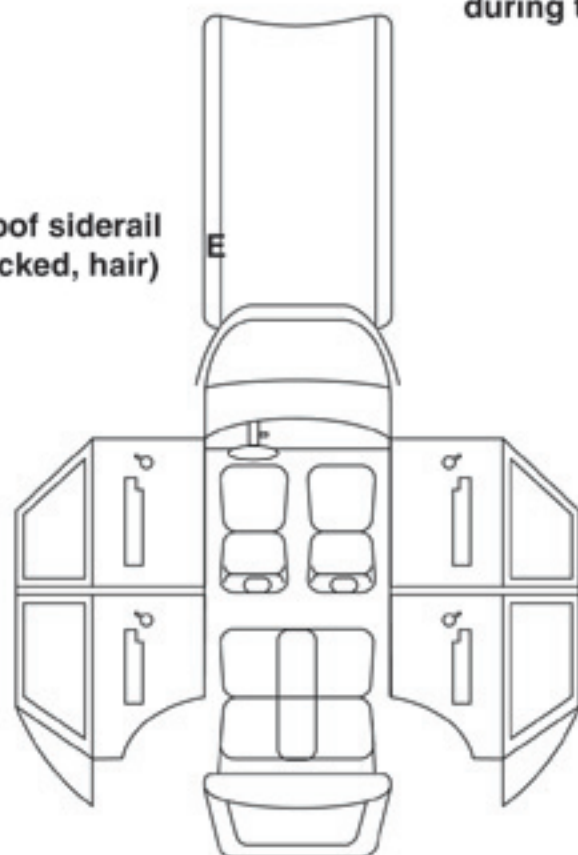
Location of Intrusion	Intruded Component	(All Measurements Are in Centimeters)			Dominant Crush Direction
		Comparison Value	– Intruded Value	= Intrusion	
none			–	=	
			–	=	
			–	=	
			–	=	
			–	=	
			–	=	
			–	=	

OCCUPANT CONTACT WORKSHEET

Contact	Interior Component Contacted	Occupant No. if Known	Body Region if Known	Supporting Physical Evidence	Confidence Level of Contact Point
A	driver door	1	leg	scuff mark, cracked	1
B	knee bolster	1	knee	scuff mark (left side)	1
C	windshield	1	head	crack in glass, hair grease	1
D	sunvisor	1	head	scuff mark	1
E	roof siderail	1	head	crack in plastic, hair	1
F	driver airbag	1	face	marks	1
G	center dash	1	knee	scuff mark (right side)	1
H	glove box	2	knee	scuff mark	1
I	glove box area	2	knee	scuff mark	1
J	right-front airbag	2	face	facial makeup	1
K					
L					
M					

No evidence of belt use
during this crash

E: roof siderail
(cracked, hair)



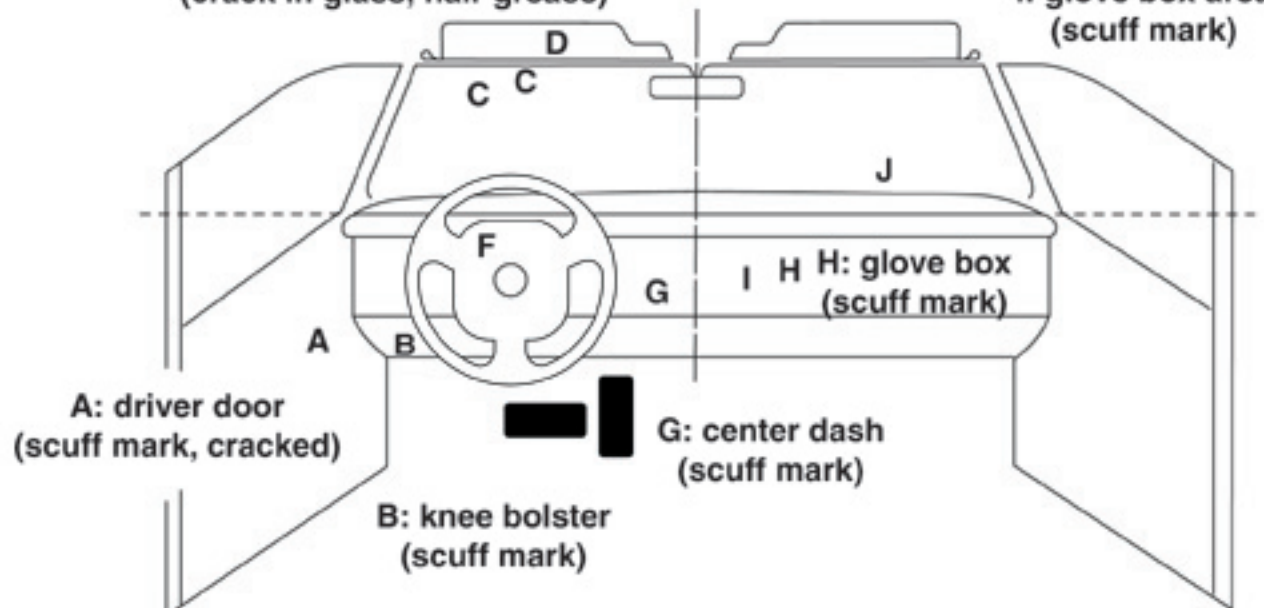
F: driver airbag
(black marks)

D: sunvisor
(scuff mark)

J: right-front airbag
(makeup)

C: windshield
(crack in glass, hair grease)

I: glove box area
(scuff mark)



A: driver door
(scuff mark, cracked)

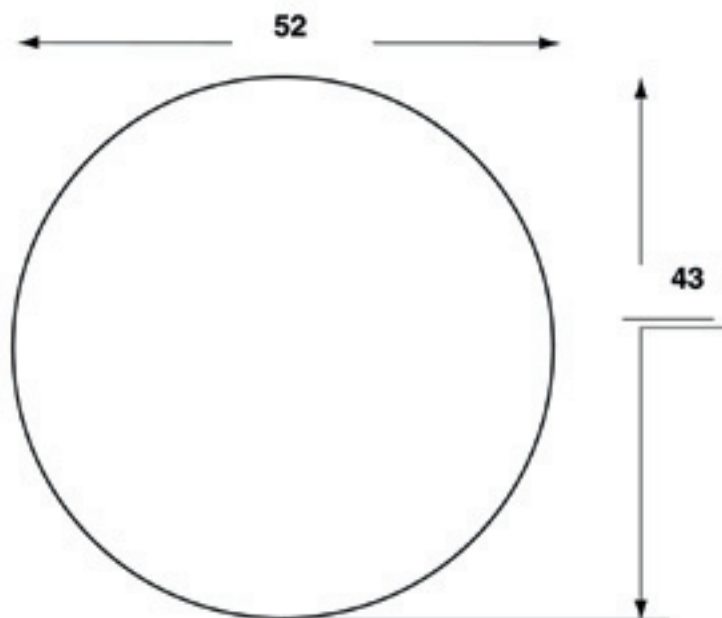
B: knee bolster
(scuff mark)

G: center dash
(scuff mark)

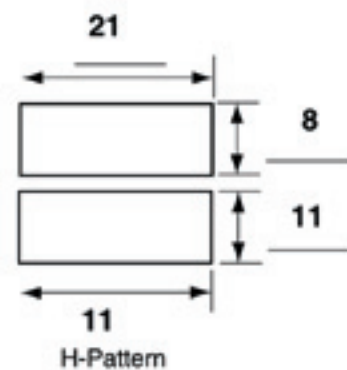
H: glove box
(scuff mark)

Driver Airbag

AIRBAG NUMBER ON DRIVER SIDE:



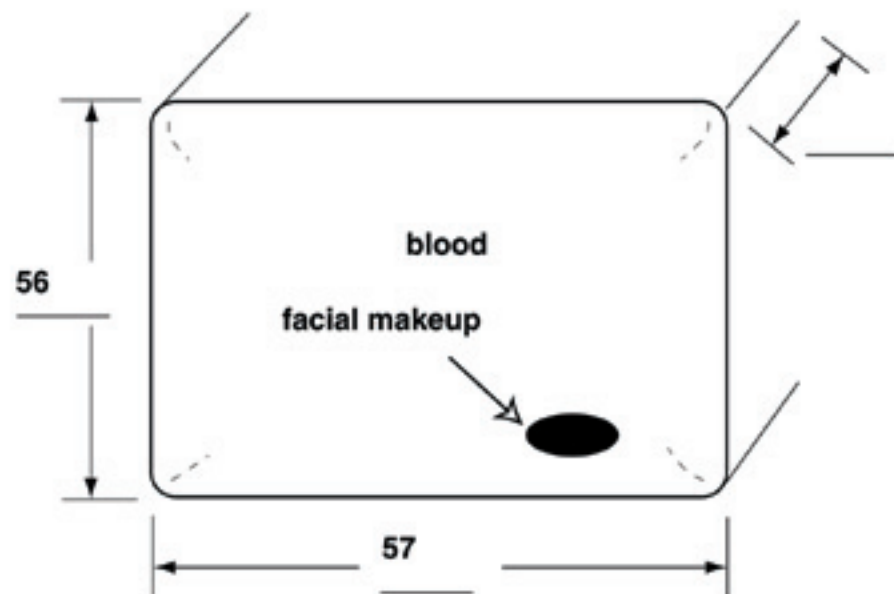
Driver Airbag Doors



Vents: ☒ Y ☐ N 2
if yes, how many: _____

Tethers: ☒ Y ☐ N 1
if yes, how many: _____

Passenger Airbag

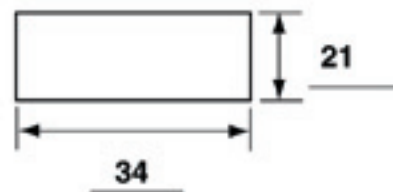


Vents: ☒ Y ☐ N
if yes, how many: 2

Tethers: Y ☒ N
if yes, how many: _____

Passenger Airbag Doors

Single Door



Case # 270: Occupant # 1; Injury # 1

Variable Number and Name	Code Value	Code Description	Other Options
V2101 — Injury Number	01	Injury #1	more
V2102 — 1st Prob Contact Area	12	Windshield	more
V2103 — 2nd Prob Contact Area	10	Sunvisor, fitting(s) &/or top molding	more
V2104 — Primary OIC -body Region	08	Head/skull	more
V2105 — Primary OIC -aspect	23	Whole region	more
V2106 — Primary OIC -lesion	11	Concussion	more
V2107 — Primary OIC -system/Organ	02	Brain	more
V2108 — Primary OIC -severity	2	Moderate	more
V2109 — Primary OIC	HWKB2	—	—
V2110 — Assoc OIC 1 -body Region	99	No injury	more
V2111 — Assoc OIC 1 -aspect	99	No injury	more
V2112 — Assoc OIC 1 -lesion	99	No injury	more
V2113 — Assoc OIC 1 -system/Organ	99	No injury	more
V2114 — Assoc OIC 1 -severity	9	Unknown	more
V2115 — Assoc OIC 1	—	—	—

Case # 270: Occupant # 1; Injury # 2

Variable Number and Name	Code Value	Code Description	Other Options
V2101 — Injury Number	02	Injury #2	more
V2102 — 1st Prob Contact Area	12	Windshield	more
V2103 — 2nd Prob Contact Area	10	Sunvisor, fitting(s) &/or top molding	more
V2104 — Primary OIC -body Region	06	Face	more
V2105 — Primary OIC -aspect	19	Superior/upper	more
V2106 — Primary OIC -lesion	01	Abrasion	more
V2107 — Primary OIC -system/Organ	09	Integumentary	more
V2108 — Primary OIC -severity	1	Minor	more
V2109 — Primary OIC	FSAI1	—	—
V2110 — Assoc OIC 1 -body Region	99	No injury	more
V2111 — Assoc OIC 1 -aspect	99	No injury	more
V2112 — Assoc OIC 1 -lesion	99	No injury	more
V2113 — Assoc OIC 1 -system/Organ	99	No injury	more
V2114 — Assoc OIC 1 -severity	9	Unknown	more
V2115 — Assoc OIC 1	—	—	—

Case # 270: Occupant # 1; Injury # 3

Variable Number and Name	Code Value	Code Description	Other Options
V2101 — Injury Number	03	Injury #3	more
V2102 — 1st Prob Contact Area	12	Windshield	more
V2103 — 2nd Prob Contact Area	10	Sunvisor, fitting(s) &/or top molding	more
V2104 — Primary OIC -body Region	06	Face	more
V2105 — Primary OIC -aspect	19	Superior/upper	more
V2106 — Primary OIC -lesion	01	Abrasion	more
V2107 — Primary OIC -system/Organ	09	Integumentary	more
V2108 — Primary OIC -severity	1	Minor	more
V2109 — Primary OIC	FSAI1	—	—
V2110 — Assoc OIC 1 -body Region	99	No injury	more
V2111 — Assoc OIC 1 -aspect	99	No injury	more
V2112 — Assoc OIC 1 -lesion	99	No injury	more
V2113 — Assoc OIC 1 -system/Organ	99	No injury	more
V2114 — Assoc OIC 1 -severity	9	Unknown	more
V2115 — Assoc OIC 1	—	—	—

Case # 270: Occupant # 1; Injury # 4

Variable Number and Name	Code Value	Code Description	Other Options
V2101 — Injury Number	04	Injury #4	more
V2102 — 1st Prob Contact Area	87	Air cushion skin "airbag"	more
V2103 — 2nd Prob Contact Area	00	No Contact/not applicable	more
V2104 — Primary OIC -body Region	18	Forearm	more
V2105 — Primary OIC -aspect	12	Left	more
V2106 — Primary OIC -lesion	01	Abrasion	more
V2107 — Primary OIC -system/Organ	09	Integumentary	more
V2108 — Primary OIC -severity	1	Minor	more
V2109 — Primary OIC	RLAI1	—	—
V2110 — Assoc OIC 1 -body Region	99	No injury	more
V2111 — Assoc OIC 1 -aspect	99	No injury	more
V2112 — Assoc OIC 1 -lesion	99	No injury	more
V2113 — Assoc OIC 1 -system/Organ	99	No injury	more
V2114 — Assoc OIC 1 -severity	9	Unknown	more
V2115 — Assoc OIC 1	—	—	—

Case # 270: Occupant # 1

Variable Number and Name	Code Value	Code Description	Other Options
V2001 — Occupant Number	01	Occupant #1	more
V2002 — Occupant Role At 1st Impact	1	Motor vehicle driver	more
V2003 — Occupant Position -row	1	1st row	more
V2004 — Occupant Position -lateral	1	Left	more
V2005 — Occupant Position -posture	10	Sitting on seat	more
V2006 — Occupant Age In Years	63	—	—
V2007 — Occupant Age In Months	25	25 months or older	more
V2008 — Occupant Mass	999	Unknown	more
V2009 — Occupant Height	999	Unknown	more
V2010 — Occupant Sex	1	Male	more
V2011 — Occupant Treatment/Mortality	02	Treated at hospital/clinic but not admitted	more
V2012 — Injury Severity Score	05	ISS 5	more
V2013 — Non-impact Med Condition	0	None	more
V2014 — Police Injury Severity	2	B - Non-incapacitating Injury	more
V2015 — Active Restraint System	3	Both lap belt and shoulder harness	more
V2016 — Active Restraint Usage	0	None (available but not used)	more
V2017 — Passive Restraint System	1	Air bag installed	more
V2018 — Passive Restraint Usage	2	Air bag deployed	more
V2019 — Child Seat Type	88	Not applicable (adult or older child)	more
V2020 — Occupant Ejection Degree	0	None	more
V2021 — Occupant Ejection Area	98	Not applicable (not ejected)	more
V2022 — Highest OIC Severity	2	Moderate	more

V2023 — Head Restraint Available	1	Equipped	more
V2024 — Occupant Eyewear	9	Unknown	more
V2025 — Source of Occupant Info	1	Hospital	more

Case # 270: Occupant # 2; Injury # 1

Variable Number and Name	Code Value	Code Description	Other Options
V2101 — Injury Number	01	Injury #1	more
V2102 — 1st Prob Contact Area	87	Air cushion skin "airbag"	more
V2103 — 2nd Prob Contact Area	00	No Contact/not applicable	more
V2104 — Primary OIC -body Region	08	Head/skull	more
V2105 — Primary OIC -aspect	23	Whole region	more
V2106 — Primary OIC -lesion	11	Concussion	more
V2107 — Primary OIC -system/Organ	02	Brain	more
V2108 — Primary OIC -severity	2	Moderate	more
V2109 — Primary OIC	HWKB2	—	—
V2110 — Assoc OIC 1 -body Region	99	No injury	more
V2111 — Assoc OIC 1 -aspect	99	No injury	more
V2112 — Assoc OIC 1 -lesion	99	No injury	more
V2113 — Assoc OIC 1 -system/Organ	99	No injury	more
V2114 — Assoc OIC 1 -severity	9	Unknown	more
V2115 — Assoc OIC 1	—	—	—

Case # 270: Occupant # 2; Injury # 2

Variable Number and Name	Code Value	Code Description	Other Options
V2101 — Injury Number	02	Injury #2	more
V2102 — 1st Prob Contact Area	87	Air cushion skin "airbag"	more
V2103 — 2nd Prob Contact Area	00	No Contact/not applicable	more
V2104 — Primary OIC -body Region	06	Face	more
V2105 — Primary OIC -aspect	19	Superior/upper	more
V2106 — Primary OIC -lesion	01	Abrasion	more
V2107 — Primary OIC -system/Organ	09	Integumentary	more
V2108 — Primary OIC -severity	1	Minor	more
V2109 — Primary OIC	FSAI1	—	—
V2110 — Assoc OIC 1 -body Region	99	No injury	more
V2111 — Assoc OIC 1 -aspect	99	No injury	more
V2112 — Assoc OIC 1 -lesion	99	No injury	more
V2113 — Assoc OIC 1 -system/Organ	99	No injury	more
V2114 — Assoc OIC 1 -severity	9	Unknown	more
V2115 — Assoc OIC 1	—	—	—

Case # 270: Occupant # 2; Injury # 3

Variable Number and Name	Code Value	Code Description	Other Options
V2101 — Injury Number	03	Injury #3	more
V2102 — 1st Prob Contact Area	41	Unknown interior surface	more
V2103 — 2nd Prob Contact Area	00	No Contact/not applicable	more
V2104 — Primary OIC -body Region	24	Upper extremities	more
V2105 — Primary OIC -aspect	02	Bilateral	more
V2106 — Primary OIC -lesion	01	Abrasion	more
V2107 — Primary OIC -system/Organ	09	Integumentary	more
V2108 — Primary OIC -severity	1	Minor	more
V2109 — Primary OIC	XBAI1	—	—
V2110 — Assoc OIC 1 -body Region	99	No injury	more
V2111 — Assoc OIC 1 -aspect	99	No injury	more
V2112 — Assoc OIC 1 -lesion	99	No injury	more
V2113 — Assoc OIC 1 -system/Organ	99	No injury	more
V2114 — Assoc OIC 1 -severity	9	Unknown	more
V2115 — Assoc OIC 1	—	—	—

Case # 270: Occupant # 2; Injury # 4

Variable Number and Name	Code Value	Code Description	Other Options
V2101 — Injury Number	04	Injury #4	more
V2102 — 1st Prob Contact Area	02	Glove compartment area	more
V2103 — 2nd Prob Contact Area	00	No Contact/not applicable	more
V2104 — Primary OIC -body Region	25	Lower extremities	more
V2105 — Primary OIC -aspect	02	Bilateral	more
V2106 — Primary OIC -lesion	01	Abrasion	more
V2107 — Primary OIC -system/Organ	09	Integumentary	more
V2108 — Primary OIC -severity	1	Minor	more
V2109 — Primary OIC	YBAI1	—	—
V2110 — Assoc OIC 1 -body Region	99	No injury	more
V2111 — Assoc OIC 1 -aspect	99	No injury	more
V2112 — Assoc OIC 1 -lesion	99	No injury	more
V2113 — Assoc OIC 1 -system/Organ	99	No injury	more
V2114 — Assoc OIC 1 -severity	9	Unknown	more
V2115 — Assoc OIC 1	—	—	—

Case # 270: Occupant # 2

Variable Number and Name	Code Value	Code Description	Other Options
V2001 — Occupant Number	02	Occupant #2	more
V2002 — Occupant Role At 1st Impact	2	Motor vehicle passenger	more
V2003 — Occupant Position -row	1	1st row	more
V2004 — Occupant Position -lateral	5	Right	more
V2005 — Occupant Position -posture	10	Sitting on seat	more
V2006 — Occupant Age In Years	63	—	—
V2007 — Occupant Age In Months	25	25 months or older	more
V2008 — Occupant Mass	999	Unknown	more
V2009 — Occupant Height	999	Unknown	more
V2010 — Occupant Sex	2	Female	more
V2011 — Occupant Treatment/Mortality	03	Hospitalized for observation less than 24 hours	more
V2012 — Injury Severity Score	05	ISS 5	more
V2013 — Non-impact Med Condition	0	None	more
V2014 — Police Injury Severity	2	B - Non-incapacitating Injury	more
V2015 — Active Restraint System	3	Both lap belt and shoulder harness	more
V2016 — Active Restraint Usage	0	None (available but not used)	more
V2017 — Passive Restraint System	1	Air bag installed	more
V2018 — Passive Restraint Usage	2	Air bag deployed	more
V2019 — Child Seat Type	88	Not applicable (adult or older child)	more
V2020 — Occupant Ejection Degree	0	None	more
V2021 — Occupant Ejection Area	98	Not applicable (not ejected)	more
V2022 — Highest OIC Severity	2	Moderate	more

V2023 — Head Restraint Available	1	Equipped	more
V2024 — Occupant Eyewear	9	Unknown	more
V2025 — Source of Occupant Info	1	Hospital	more







POSS
WITH
CARE





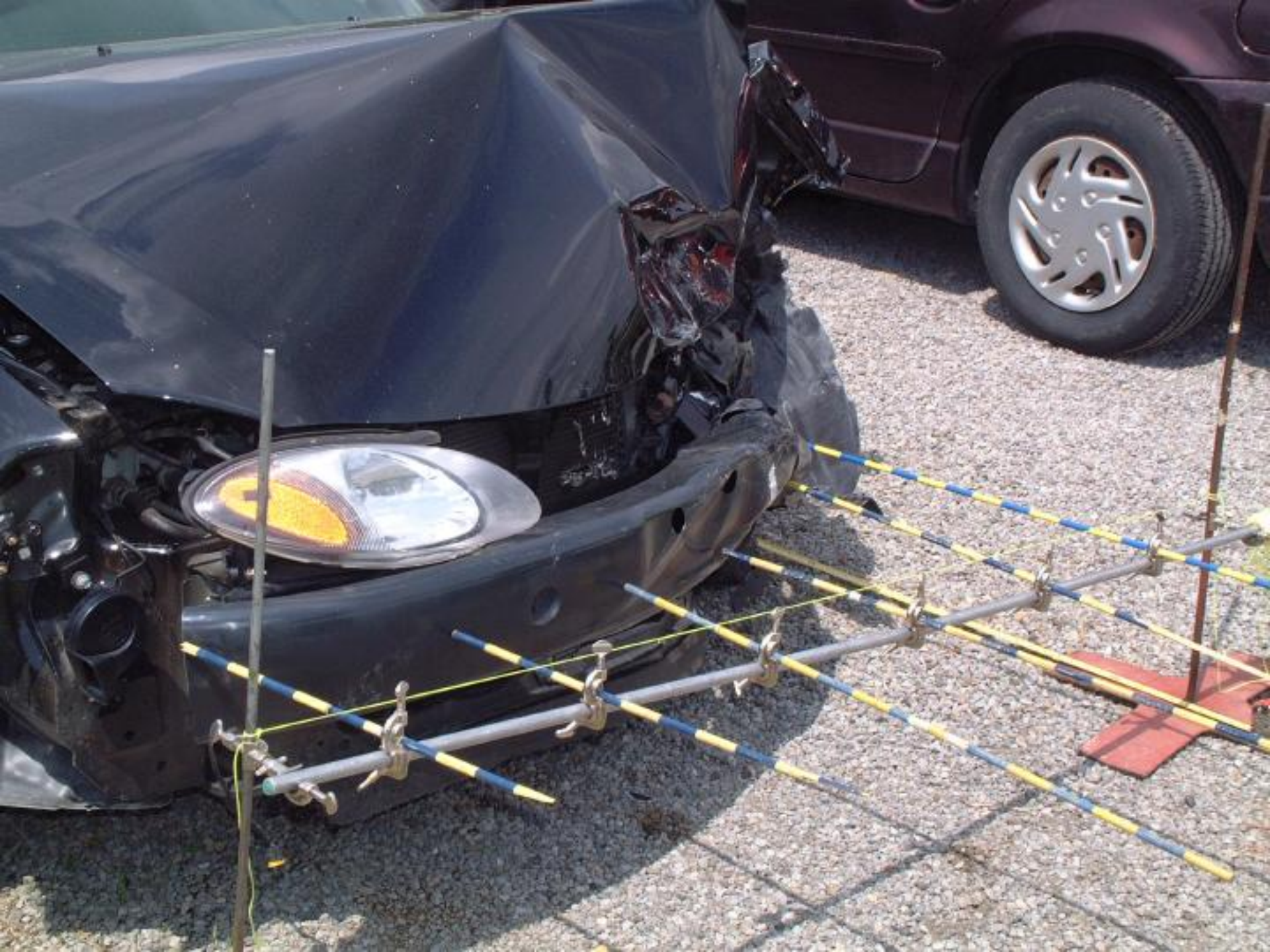






































































INJURY

can occur.

The BACK SEAT is the place for children.

SEAT is the SAFEST

...in the C-
children
...but a
...in S-

...the Salt
...a rear-fan
...the body
...the low

100

...chính

STANLEY

SEAT BELT

ing cells and

Page 2









WARNING
DO NOT
REPAIR OR
REMOVE
THIS LABEL



















DR

⚠ WARNING
DEATH
OR
SERIOUS
INJURY
CAN OCCUR.



Children 12 and under can be
killed or seriously injured by
the BACK SEAT if the SLEEPER
is not used properly.
Always use the BACK SEAT as the SLEEPER.
Do not use the BACK SEAT as a SLEEPER.
Always use the BACK SEAT as the SLEEPER.

































- +

BAL

FADE

OFF

R.DEF